97679

BCA 5th Semester (New)
Examination – November, 2018

DATA COMMUNICATION AND NETWORKING

Paper : BCA-303

Time : Three Hours | *| Maximum Marks : 80*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each unit. Question No. 1 is *compulsory*.

1. Explain the following :   16

   (a) Frame Relay

   (b) Dial up networking

   (c) Gate ways

   (d) Inter networking

UNIT – I

2. Define Network Software. Explain network design issues and protocols.   16

3. Explain the following :   16

(a) TCP/IP reference model

(b) Web based model

UNIT – II

4. Explain the following :   16

(a) Representing data as Analog signals

(b) Concept of data

(c) Baud rate

5. Describe the following :   16

(a) Wired and Wireless Transmission media

(b) Switching and Multiplexing

UNIT – III

6. Explain the following :   16

(a) Error detection and correction

(b) Framing

7. Describe the following :   16

(a) VLAN

(b) Wireless LANs

UNIT – IV

8. Define Routing. Explain different types of Routing. 16

9. Explain the following :   16

(a) Authentication

(b) Symmetric key Algorithms.

_____